

# Manhole Inspection Summary

Manhole # S27W\_\_001MH

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**Inspection** ☐ Is Incomplete Rating: **4) Poor**

Record Plat: **27W** Node: **001** Status: **Found**

Insp Date: **4/23/08 10:52 AM**

Incomplete Comments

Crew: **FW,EH**  
Inspector: **fwalcott**  
Firm: **PER**

**Location** Address: **S Monroe st**

Cross Street: **Russell St**

**Manhole** Type: **Junction**

Location: **Roadway**

Ground Conditions: **Dry**

☐ Prev. Rehab

Weather: **Dry**

Subject To Ponding: **None**

Comments **bh - crews reported heavy debris in the channel below the flow; there is no photo for this defect - cleaning is recommended**

**Cover**

Shape: **Circular**

Diameter: **24** (in.) Length: **0** (in.) Dist A/B Grade: **0** (in.)

Type: **Sanitary**

Condition: **Sound**

Cover Material: **Cast Iron**

Properties: ☐ Bolted ☒ Vented ☐ Water Tight ☐ Water Tight Insert

**Frame**

Offset: **0.5** (in.)

Condition: ☒ Sound ☐ Cracked ☐ Leaks

**Chimney / Frame Adjustment**

☒ Exists Material: **Brick**

☐ Parged Height: **8** (in.)

Condition: ☐ Sound ☐ Cracked ☐ Root Intrusion ☒ Loose Brick ☒ Deteriorated

Infiltration: ☐ None ☐ Joint ☐ Cracks ☒ Mortar ☐ Roots ☒ Wall

**Corbel**

Material: **Brick**

☐ Parged

Type: **Concentric/Eccentric**

Condition: ☐ Sound ☒ Cracked ☐ Root Intrusion ☒ Loose Brick ☒ Deteriorated

Infiltration: ☐ None ☐ Joint ☒ Cracks ☒ Mortar ☐ Roots ☒ Wall

**Barrel**

Material: **Brick**

☐ Parged

Shape: **Circular**

Diameter: **42** (in.) Length: **0** (in.)

Condition: ☒ Sound ☐ Cracked ☐ Root Intrusion ☐ Loose Brick ☐ Deteriorated

Infiltration: ☐ None ☐ Joint ☐ Cracks ☒ Mortar ☐ Roots ☒ Wall

**Bench**

☒ Exists Material: **Brick**

☐ Parged

Condition: ☐ Sound ☐ Cracked ☐ Root Intrusion ☒ Deteriorated ☐ Leaks ☐ Debris

**Channel**

Material: **Unknown**

☐ Parged

Channel Exposure: **Fully Open** Junc Dist: **0** nearest .5 ft. Azimuth: **0**

Condition: ☒ Sound ☐ Cracked ☐ Root Intrusion ☐ Deteriorated ☐ Leaks ☐ Debris

**Steps**

Count: **11** Missing: **0** ☒ Corroded

**Surcharge**

☒ Evidence Of Surcharge Depth: **12** (ft.) ☐ Active Surcharge Present

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Location View



Top View



patch work in m/h



Cover View



Defect 4



Missing bricks, deteriorated corbel surrounding pipe

Defect 5



Barrel infiltration

Defect 3



corroded steps and surcharge evidence,  
deteriorating bench

Defect 2



infiltration in corbel

Defect 1



offset about .5 inch, loose bricks and  
deterioration in chimney

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24 in. Circular Gravity Sewer  
Pipe Out @ 12 O'Clock

12 O'Clock Outflow



Pipe Height: **19.2** (in.) Rod and Bar (Angled)  
Pipe Material: **Clay** ☐ Pipe Lined  
Invert Depth: **19.92** (ft.) Flow Characteristics: **Slow**  
Deposits: ☐ None ☐ Mud ☒ **Sludge** ☐ Debris ☐ Grease  
Silt Depth: **10** (in.) Deposits Extent: **Heavy**  
Infiltration: **Evidence** Pipe Seal Cond: **Unknown**

Drop: **None**

Connects To: **Manhole**

☐ Possible Illicit Connection

24 in. Circular Gravity Sewer  
Pipe In @ 6 O'Clock

6 O'Clock Inflow



Pipe Height: **18** (in.) Rod and Bar (Angled)  
Pipe Material: **Clay** ☐ Pipe Lined  
Invert Depth: **20.05** (ft.) Flow Characteristics: **Slow**  
Deposits: ☐ None ☐ Mud ☒ **Sludge** ☐ Debris ☐ Grease  
Silt Depth: **10** (in.) Deposits Extent: **Heavy**  
Infiltration: **Evidence** Pipe Seal Cond: **Unknown**

Drop: **None**

Connects To: **Manhole**

☐ Possible Illicit Connection

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8 in. Circular Gravity Sewer

7 O'Clock Inflow

Pipe In @ 7 O'Clock



pipe coming into MH and missing brick and mortar surrounding pipe

Pipe Height: **4.8** (in.) Rod and Bar (Angled)

Pipe Material: **Clay** ☐ Pipe Lined

Invert Depth: **2.26** (ft.) Flow Characteristics: **None**

Deposits: ☒ None ☐ Mud ☐ Sludge ☐ Debris ☐ Grease

Silt Depth: **0** (in.) Deposits Extent:

Infiltration: **None**

Pipe Seal Cond: **Sound**

Drop: **None**

Connects To: **Connecting Node Not Available**

☐ Possible Illicit Connection